

Division of Enterprise Technology

Classification Title: IS Enterprise Technical Services Consultant/Administrator

Working Title: Enterprise Cloud Architect

Type of Employment: FTE

## **POSITION DESCRIPTION**

Under the general supervision of the Director of Technical Architecture & Project Management this position is the primary contact and program manager for the State of Wisconsin's cloud computing strategy. This strategy would include but not be limited to cloud adoption planning, cloud application design/deployment, and cloud monitoring and management. This position has enterprise-wide responsibility and acts as the statewide expert for cloud computing related matters and provides guidance to the DET Chief Technology Officer and Senior leadership on the development, implementation, and management of technical architecture platforms for agencies and across the enterprise. It performs difficult research for the management of the application and infrastructure technologies that comprise the statewide technical architecture.

In addition, the incumbent leads or serves on advisory committees and works closely on agency projects.

40%

### **A. Provision of expertise for Cloud Computing technologies and strategies that impact individual agencies and enterprise-wide.**

- A1. Provide technical consulting and enterprise direction for cloud computing projects that may cross multiple technologies, platforms and administrative boundaries.
- A2. Drive cloud adoption internally and externally by providing and disseminating Cloud computing expertise internally and externally.
- A3. In collaboration with technical leads from within DET and other agencies, develop, implement, and communicate Enterprise Technology Standards for cloud computing technologies to reduce overall complexity and increases cost efficiency for the technologies in use within the State of Wisconsin.
- A4. Create and/or provide direction in the areas of technical policy and standards to agency and enterprise work groups such as the technical architecture review committee and business solutions teams.
- A5. Develop and gain approval for projects that align to enterprise cloud computing strategies and business objectives, with a focus on Cloud Migrations.
- A6. Coordinate and lead technical teams, including state employees and contractors, in support of project efforts to guarantee that the technical architecture of cloud computing and assigned projects aligns with the architectural guiding principles.

- A7. Provide consultation, guidance, and recommendations for implementations of infrastructure and application technologies for DOA and other state agencies. Communicate these items to non-technical and technical stakeholders.
- A8. Provide cloud cost analysis based on use cases/anticipated use to internal and external to customers.

30%

**B. Oversight and management of complex research and design work involving cloud architecture, licensing, contracts, platforms and statewide technology initiatives.**

- B1. Perform complex research and analysis of cloud architecture issues that impact the deployment of new or existing infrastructure or application architectures including licensing and contractual issues.
- B2. Write complex business and cost-benefit cases to help justify cloud and technical architecture decisions.
- B3. Participate in the enterprise prioritization and governance practices for project requests to ensure proper analysis of request to align business need with strategic objectives and to assure integrity and security of data.
- B4. Provide consultation and guidance for implementations of projects which have a significant impact on the technologies in use within the State of Wisconsin. Present recommendations to senior technical and business leaders.
- B5. Provide timetables and secure adequate computing resources for specific research projects.
- B6. Coordinate research efforts, across multiple technical teams, and analyze the impact for the initiatives.
- B7. Lead efforts to design cloud and technical solution architectures for DET services and customer projects.

20%

**C. Management of executive level IT technical architecture policies and procedures which have significant impact on major statewide issues and enterprise policy.**

- C1. Develop and recommend to the BTAPM Director, policy proposals and issue papers related to implementing new or enhancing existing complex technical architecture matters, including providing conceptual background information and data.
- C2. Create policy and procedure documents for dissemination across multiple groups, technical and non-technical, that provide guidance and information related to cloud computing technologies and strategies.

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- C3. Develop comprehensive communication plans for new or changes to policies or procedures.
- C4. Define, create, and recommend to DET Executive Leadership cloud computing policies and procedures for the State of Wisconsin and its customers.

10%

**D. Other duties as assigned.**

- D1. Lead or serve on agency or enterprise-wide groups and committees as assigned/
- D2. Lead or participate in special projects as assigned.

Knowledge, Skills, and Abilities

- 1. Knowledge of and experience with technical architecture practices
- 2. Knowledge of and experience with application architecture practices
- 3. Knowledge of storage solutions
- 4. Advanced knowledge of and experience with cloud computing technology and infrastructure
- 5. Experience with enterprise level provision of services and support
- 6. Knowledge of and experience with legalities involving cloud computing
- 7. Knowledge of and experience with cloud integration tools and services
- 8. Knowledge of networking practices
- 9. Knowledge of and experience with project management practices
- 10. Knowledge of meeting best practices and facilitation
- 11. Knowledge of problem solving and risk mitigation practices
- 12. Knowledge of enterprise security practices
- 13. Knowledge of LEAN principles
- 14. Well-developed communication skills, written and verbal
- 15. Developed leadership skills
- 16. Strategic/business aptitude
- 17. Strong planning and organizational skills
- 18. Ability to derive solutions from technical documentation along with non-technical requirements supplied by customers